

FPV Watchful



Professional Fisheries Patrol Vessel Available for Chartered Survey Work

Designed and built with patrol duties and survey capabilities in mind.

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Survey Capabilities

FPV Watchful is fitted with WASSP Multi-beam Sonar technology. The system uses a wide-angle sonar transducer to produce profiles of both the water column and seafloor to a high degree of accuracy and resolution. This provides valuable information about the fishing environment within the Sussex district.

Configuration

The transducers emit a 120° port-starboard swath of the water column and seafloor. The 112 dynamic beams emitted and processed by the system can help detect and position reefs, wrecks, fish schools, changes in seafloor hardness and any foreign objects in the water column or on the seafloor.

The [WASSP](#) system allows for an excellent method to monitor the bathymetry of the Sussex inshore fishing grounds.

Deck Space

Deck plates can be installed where the Delta 1 RIB is situated to the stern of the ship. This allows for more working space during survey operations. The vessel can be fitted with various additional electronic winches that can be remotely operated from the wheelhouse.



SPECIFICATIONS

Name of vessel:	Watchful
Type of vessel:	Fisheries Patrol; Fully coded Cat 2 – MCA/YDSA Workboat Code
In survey to:	Sea Fish Industry Authority
Home port:	Shoreham
Builder:	Uki Workboat Ltd
Designer:	Uki Workboat Ltd
Owner:	Sussex IFCA
Operator:	Sussex Inshore Fisheries and Conservation Authority (IFCA)
Operational Area:	Sussex IFCA district; county borders and out to 12NM
Length o.a.	18.35m
Beam:	5.20m
Draught:	1.5m
Depth:	3.00m
Displacement:	35 tons
Tonnage/s:	GRT 42

HULL & STRUCTURE

Construction Material:	Aluminium ENAW 5083
Fuel capacity:	8000 litres
Freshwater capacity:	500 litres
Sewage water capacity:	100 litres
Deck cargo capacity:	1000kg
Crew:	5 persons
Maximum speed:	23 knots
Cruising speed:	18 knots
Winches:	Spencer Carter
Capstan/Windlass:	Lofrans Falcon
Liferaft/s:	One 8 person + one 6 MAW
Rescue boat/s:	Delta 550D/Mercruiser D1.7L
Lights:	Norselight 260
Rope/Chain:	3/8" 50m
Anchors:	40kg HHP
Steering System:	Hydraulic
Paints/Coatings:	International
Windows:	LAN

Main Engine/s:	Caterpillar 3406E 522 kW/2200 rpm
Gearbox/s:	Twin disc 5114 Quick Shift
Propulsion:	2 x propellers 31 x 32"
Auxiliary engine/s:	Westerbeke 20BED-514
Generator/s:	230 v/50 HZ/20 kW/1500rpm search
Side thruster/s:	Side Power SP300, 23 kW
Hydraulic equipment:	Bosch Rexroth
Electrical installations & supplies:	YIT Telesilta Oy
Integrated electronics by:	Simrad UK
Radars:	Simrad RA52C, 15" Simrad CA44D, 10"
General use computer:	Iridium S860-24
ECDIS:	Transar Navisailor 4000 LDS
Computer:	RS6 type approved TFT display 19" Hatteland
Navigation Software:	Transas RS6
Depth sounder:	Simrad EQ60 Black box
Radio/s:	Simrad RS86/87
G.M.D.S.S.	Simrad AX 50
AIS:	Simrad Class A
VHF Direction Finder:	TAIYO TD-C 1550B
Navtex:	ICS NAV 4 Plus
GPS:	Simrad GN 33
Auto Pilot:	Simrad AP 50
Compass/es:	Simrad HS 50 GPS
Safety Equipment:	SART, EPIRB
M.O.B. System:	Sea Marshall CREWguard GG-121 Mk.II
Internet:	Deltenna WiBE Wireless Hub

Seabed Classification

Software:	OTC 5 PI
Hardware:	Kontron Field Works 8500
Sonar System:	WASSP (See 'Survey Capabilities')
Date of Delivery:	16 th December 2003

Stand Alone Equipment

Two towed sledges: Small & Large	GoPro 'Hero 3'
Video Ray 2002	Dropcam with live feed
Bowtech camera & umbilical	